

### **DETAILED ACTION**

#### ***Allowable Subject Matter***

1. Claims 11, 13, 18, 23, 24, 26, and 27 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Applicant's arguments, see pages 6-8, have been persuasive and upon further consideration the prior art fails to teach or reasonably suggest, along with ALL other claimed limitations, a radiation detector comprising: namely the phosphor layer as claimed; and a photoelectric conversion film on which the phosphor layer of said phosphor sheet is integrally layered and bonded by an adhesive that transmits light, wherein the surface has a surface roughness of 0.5  $\mu\text{m}$  or less in average roughness, Ra, wherein the surface has been smoothed by a treatment using a metal roll.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JESSICA L. ELEY whose telephone number is (571)272-9793. The examiner can normally be reached on Monday - Friday 10:00-6:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on (571) 272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/J. L. E./  
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